Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A method for determining the position of a device [[(16)]] providing images [[(14)]] by ~~means of~~ X rays with respect to [[the]] a reference frame [[(Rref)]] as an image of an object [[(10)]] is taken, ~~characterized in that~~ said method comprising the steps of:

   determining the position of a target with respect to the device, said target being mechanically connected to the object, based on an impression of the target on the image of the object;

   determining the position of the target with respect to the reference frame; and

   determining the position of the device [[(16)]] with respect to [[a]] the reference frame ~~(Rref) is determined~~ based on ~~the determination of~~ the position of the target with respect to the device ~~(16) of a target (25)~~, ~~mechanically connected to the object, by means of the~~ impression ~~of the target on the image,~~ and ~~on the determination of the~~ position of the target with respect to the reference frame [[(Rref)]].

2. (CURRENTLY AMENDED) The ~~device~~ method of claim 1, in which the position of the target [[(25)]] with respect to the reference frame [[(Rref)]] is determined from the determination, by a localization system [[(20)]], of the position with respect to the reference frame [[(Rref)]] of a rigid localization body ~~(21, 26)~~ mechanically connected to the target.

3. (CURRENTLY AMENDED) The device ~~method~~ of claim 2, in which the target [[(25)]] is fixed with respect to the rigid body ~~(21, 26)~~.

4. (CURRENTLY AMENDED) The ~~device~~ method of claim 1, in which [[the]] a configuration of the target [[(25)]] is determined by a feeler ~~(74, 78)~~ connected to a rigid localization body, ~~(76, 80) having its~~ the position of the feeler with respect to the reference frame [[(Rref)]] being determined by a localization system ~~(20)~~.

5. (CURRENTLY AMENDED) The ~~device~~ method of claim 2, in which the target [[(25)]] is connected to the rigid body [[(21)]] by an articulated arm ~~(30, 62)~~.

6. (CURRENTLY AMENDED) The ~~device~~ method of claim 1, in which the target [[(25)]] is removed from the object [[(10)]] between [[the]] an acquisition of a first image and an acquisition of a second image ~~two images (14)~~.

7. (CURRENTLY AMENDED) The ~~device~~ method of claim 1, in which the determination of the position of the target [[(25)]] with respect to the device

[[(16)]] is performed from the determination on the image [[(14)]] of the impression of the target, said impression comprising a plurality of characteristic impressions [[(42)]], each of said plurality of characteristic ~~impression~~ impressions corresponding to [[the]] a projection on the image of a separate element ~~(38, 54)~~ of the target [[(25)]].

8. (CURRENTLY AMENDED) The method of any of claims 1 to 7, wherein the [[A]] target [[(25)]] ~~for the device of any of claims 1 to 7 comprising~~ comprises:

a first plurality of elements ~~(34A, 34B, 34C, 34D, 34E, 50A, 50B, 50C, 58A, 58B, 58C, 70A, 70B, 70C)~~ transparent to X rays [[and]];

a second plurality of elements ~~(38, 54)~~ opaque to X rays; and, ~~characterized in that it comprises~~

wherein said first plurality of elements comprises at least three supports ~~(34A, 34B, 34C, 34D, 34E, 50A, 50B, 50C, 58A, 58B, 58C, 70A, 70B, 70C)~~ transparent to X rays, each support containing said second plurality of elements comprising a plurality of balls ~~(38, 54)~~ opaque to X rays substantially aligned along a determined direction, the determined directions being non coplanar.

9. (CURRENTLY AMENDED) The ~~target (25)~~ method of claim 8, in which at least two balls of said plurality of balls ~~(38, 54)~~ are of different diameters.

10. (CURRENTLY AMENDED) The ~~target (25)~~ method of claim 8, wherein said target further comprises ~~comprising~~ a hold means ~~(32, 36, 44, 60, 66)~~ capable of maintaining the at least three supports ~~cylinders (34A, 34B, 34C, 34D, 34E, 50A, 50B, 50C, 58A, 58B, 58C, 70A, 70B, 70C)~~ according to a configuration from among several determined configurations.

11. (NEW) A system for determining the position of a device providing image by X rays with respect to a reference frame when a radiography of an object is acquired, said system comprising:

a target connected to the object and comprising a plurality of elements opaque to X rays, each of said plurality of opaque elements being capable of providing a characteristic impression on the radiography of the object;

a means for determining the position of the target with respect to the reference frame;

a means for determining the position of the target with respect to the device based on the characteristic impressions of the radiography,

wherein said system is adapted to determine the position of the device with respect to a reference frame based on the position of the target with respect to the reference frame and on the position of the target with respect to the device.